

[54] **POSTERIOR CHAMBER ARTIFICIAL INTRAOCULAR LENS WITH RETAINING MEANS AND INSTRUMENTS FOR USE THEREWITH**

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**Related U.S. Application Data**

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[58] Field of Search..... 3/13, 1; 128/303 R; 351/160

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[57] **ABSTRACT**

Artificial intraocular lenses comprise an optical zone portion adapted to be implanted in the posterior chamber of an eye, posts extending from said optical zone portion through the iris and into the anterior chamber thereof, and retaining means adapted to be secured to the ends of the posts, whereby said posts and retaining means hold and position the artificial intraocular lenses within the eye. In some embodiments, the posts and retaining means are configured for an interengaging press fit. In another embodiment the posts are attached to the retaining means and are adapted to be secured to the optical zone or lens portion positioned in the posterior chamber. Instruments aiding in the implanting of the artificial intraocular lenses in the eye, and in particular, in press fitting the retaining means to the posts, comprise means for supporting the retaining means on the instrument, bridle means connecting the optical zone portion of the artificial intraocular lenses with the instrument, and means for drawing the posts of the optical zone portion toward the retaining means until the desired interengaging press fit therebetween is achieved. The instruments are also adapted to attach the posts of the retaining means to the lens portion in the other embodiment referred to above, in a similar manner. The instruments are also modified to remove the retaining ring from the posts.

**61 Claims, 32 Drawing Figures**

